

Work Order ID 146315 -1

146315

Page 1

Tuesday, May 17, 2016 1:57:26 PM

Item ID: PB67-43001-03

Accept

N900040100

Setup Start *NS1*

Revision ID:

Stop *NS2*

Item Name: Aft Blade Fold Assembly

Start Date: 5/18/2016 Start Qty: 2.00

2

Cust Item ID:

Required Date: 6/30/2016 Req'd Qty: 2.00

2

Customer:

Reference:

Approvals: Process Plan: MF

Date: 6-5-17

Tooling:

Date:

Run Start *NR1*

QC:

Date:

SPC (Y/N):

Date:

Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

Draw Nbr

Revision Nbr

B67-43001-03

Rev C

100

0.00

100

Small Fab

Small Fab

Memo

5.76

Small Fab

1- Assemble as per dwg and use 242 threadlock A/R shown on dwg PB67-43001
page 2. 242 THREADLOCK batch: 134416

T-4- PAINT M/26701

110

QC5- Inspect part completeness to step on W/O

0.00

110

QC

Memo

0.04

Quality Control

120

Identify as per dwg & Stock Location:

0.00

120

Packaging

Memo

PPP147783 0.02

Packaging

MCS JUN 20 2016

JUN 16 2016

DAS
24
9-89

DAS
38
9-89

JUN 20 2016

DAS
28
9-89

DAS
27
9-89

JUN 20 2016

DQA: _____ Date: _____

**WORK ORDER NON-CONFORMANCE / UPDATE**

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coor. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐																																																													
Date : _____		Step #: _____		QTY Effective : _____			MRB (QSI042) Approval																																																										
Description Work Order Deviation				Disposition				Completed By																																																									
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Root Cause		FAULT CATEGORY																																																															
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐	Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐	Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐	Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐	Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐	Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐	Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐	Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐	LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐	Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐	Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____			
Misidentified ☐	Past Due ☐																																																																

Work Order ID 146315***146315***

Page 2

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Item Name: Aft Blade Fold Assembly

Start Date: 5/18/2016 Start Qty: 2.00

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Cust Item ID:

Required Date: 6/30/2016 Req'd Qty: 2.00

2

Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start ***NR1***

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop ***NR2***Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

130

QC21- Final Inspection - Work Order Release

0.00

130

QC

Memo

0.20

Quality Control

16/6/21
Jm 16/06/20

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐								
Misidentified ☐	Past Due ☐	OTHER : _____							

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Page 1

Parent Item: PB67-43001-03

Parent Item Name: Aft Blade Fold Assembly

146315

PR67-43001-03

Start Date: 5/18/2016

Required Date: 6/30/2016

Start Qty: 2.00

Required Qty: 2.00

Comments:

IPP Rev:A 08-07-30 new issue DD verified by:ec
IPP Rev:B 08-12-04 up date part list DD Verified by:ec
C 10.09.24 as per Rev C dwg EC verified by:DD IPP Rev:D 10.10.21
added NAS1149F0532P DD verf:JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
240-107		Purchased	No			100	Each	246.0000	8	16	24		DAS 6 9-89
240-107	12 PER KIT								**				
SPRING SLOTTED PIN													
24*	DAS 22 9-89	16.06.13											
				<u>Location</u>		<u>Loc Qty</u>		<u>Loc Code</u>					
				ST579		246							
				m132006		46							
				m134651		200							
30345T21		Purchased	No			100	Each	21.0000	1	16	2		DAS 6 9-89
30345T21									**				
LANYARD													
				<u>Location</u>		<u>Loc Qty</u>		<u>Loc Code</u>					
				ST570		12							
				M132610		12							
				ST581		9							
				M134499		9							
30345T24		Purchased	No			100	Each	16.0000	3	2	6		DAS 6 9-89
30345T24									**				
LANYARDS													
				<u>Location</u>		<u>Loc Qty</u>		<u>Loc Code</u>					
				ST581		16							
				m134210		3							
				m134499		8							
				m134656		5							

DAS
6
JUN 08 2016

DQA: _____ Date: _____

**WORK ORDER NON-CONFORMANCE / UPDATE**

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date : _____		Step #: _____		QTY Effective : _____			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____							
Misidentified ☐	Past Due ☐								

Picklist Print

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Work Order ID: 146315

146315

Parent Item: PB67-43001-03

PB67-43001-03

Parent Item Name: Aft Blade Fold Assembly

Start Date: 5/18/2016

Required Date: 6/30/2016

Start Qty: 2.00

Required Qty: 2.00

3408A98

Purchased

No

100

Each

37.0000

1

2

3408A98

DETENT BALL SPRING PLUNG

**

Location

Loc Qty

Loc Code

ST582

37

123478

37

AN4-10A

Purchased

No

100

Each

193.0000

2

4

AN4-10A

Bolt

**

Location

Loc Qty

Loc Code

CA

13

M129682

13

over003

125

M134762

125

ST345

55

131677

5

M133234

50

AN4-13A

Purchased

No

100

Each

325.0000

1

2

AN4-13A

Bolt

**

Location

Loc Qty

Loc Code

FG

20

122808

20

GA

60

m134167

36

m134634

24

O003

200

m134754

200

ST344

45

m134634

45

9-89 6 DAS

JUN 06 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
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Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐
OTHER : ☐					

Picklist Print

Tuesday, May 17, 2016 1:57:24 PM

Work Order ID: 146315

146315

Parent Item: PB67-43001-03

PB67-43001-03

Parent Item Name: Aft Blade Fold Assembly

Start Date: 5/18/2016

Required Date: 6/30/2016

Start Qty: 2.00

Required Qty: 2.00

AN4-15A

Purchased

No

100

Each

442.0000

4

8

AN4-15A

Bolt

**

Location

Loc Qty

Loc Code

GA

26

120449

26

OVER002

150

m134762

150

over003

200

m134676

200

ST343

66

m134606

66

AN5-26A

Purchased

No

100

Each

37.0000

1

2

AN5-26A

Bolt

**

Location

Loc Qty

Loc Code

ST337

37

111424

37

AN6-11A

Purchased

No

100

Each

31.0000

2

4

AN6-11A

BOLT

**

Location

Loc Qty

Loc Code

ST335

31

M132576

31

AN6-16A

Purchased

No

100

Each

34.0000

2

4

AN6-16A

BOLT

**

Location

Loc Qty

Loc Code

ST334

34

m128650

7

m132576

27

DAG
6
9-89

DAG
6
9-89

DAG
6
9-89

DAG
6
9-89

JUN 06 2016

DQA: _____ Date: _____

**WORK ORDER NON-CONFORMANCE / UPDATE**

QA Closed: _____ Date: _____

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Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date : _____	Step #: _____	QTY Effective : _____		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition			
				Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
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Parent Item: PB67-43001-03

PB67-43001-03

Parent Item Name: Aft Blade Fold Assembly

Start Date: 5/18/2016

Required Date: 6/30/2016

Start Qty: 2.00

Required Qty: 2.00

AN8-13A	Purchased	No	100	Each	23.0000	2	4	
AN8-13A						**		
Bolt								

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
ST332	23	
M132576	7	
M134497	16	

BSP43	Purchased	No	100	Each	81.0000	3	6	
RSP43						**		
RIVET								

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
ST558	81	
M132703	81	

CR3213-4-05	Purchased	No	100	Each	120.0000	1	2	
CR3213-4-05						**		
RIVET								

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
CCK003	120	
m134497	120	

D3440-1	Manufactured	No	100	Each	8.0000	1	2	
D3440-1						**		
Tube Guide (Supersedes B67-43001-25/-307)								

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
Mezz2	8	
142150	8	

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE



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Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐																																																											
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Misidentified ☐	Past Due ☐																																																														

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Work Order ID: 146315

Parent Item: PB67-43001-03

Parent Item Name: Aft Blade Fold Assembly

146315

PB67-43001-03

Start Date: 5/18/2016

Required Date: 6/30/2016

Start Qty: 2.00

Required Qty: 2.00

D3440-3

Manufactured No

100

Each

8.0000

1

2

**

D3440-3

Clamp (Supersedes B67-43001-309)

DAS
24
9-89

JUN 16 2016

Location

Loc Qty

Loc Code

Mezz2

8

142151

8

100

Each

6.0000

1

2

**

D3444-1

Manufactured No

D3444-1

Velcro Loop Belt

DAS
24
9-89

JUN 16 2016

Location

Loc Qty

Loc Code

Mezz2

6

133002

6

100

Each

11.0000

2

4

**

D3447-9

Manufactured No

D3447-9

Swing Arm

DAS
24
9-89

JUN 16 2016

Location

Loc Qty

Loc Code

Mezz2

11

142213

11

100

Each

8.0000

1

2

**

D3449-1

Manufactured No

D3449-1

Pad

DAS
24
9-89

JUN 16 2016

Location

Loc Qty

Loc Code

Mezz2

8

133652

8

100

Each

3.0000

1

2

**

D3451-043

Manufactured No

D3451-043

Handle And Lock-Down Assembly

DAS
24
9-89

JUN 16 2016

Location

Loc Qty

Loc Code

Mezz2

3

142169

3

Tuesday, May 17, 2016 1:57:24 PM

Shop Packet Print

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DQA: _____ Date: _____

**WORK ORDER NON-CONFORMANCE / UPDATE**

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date : _____		Step #: _____		QTY Effective : _____			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____							
Misidentified ☐	Past Due ☐								

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Page 6

Work Order ID: 146315

146315

Parent Item: PB67-43001-03

PB67-43001-03

Parent Item Name: Aft Blade Fold Assembly

Start Date: 5/18/2016

Required Date: 6/30/2016

Start Qty: 2.00

Required Qty: 2.00

D3451-045

Manufactured No

100 Each

3.0000

1 2

**

JUN 16 2016

DAS
24
9-89

D3451-045

Handle And Lock-Down Assembly

Location

Loc Qty

Loc Code

Mezz2

3

142170

3

D3922-1

Manufactured No

100 Each

17.0000

1 2

**

DAS
6
9-89

D3922-1

Clip

Location

Loc Qty

Loc Code

ST059

17

111733

17

MS17984-C408

Purchased No

100 Each

16.0000

1 2

**

DAS
6
9-89

MS17984-C408

PIN, QUICK RELEASE

Location

Loc Qty

Loc Code

ST315

16

m128051

4

m132576

12

JUN 06 2016

To SHORT

410 333
16.06.13

m 134502 → 2

DAS
24
9-89

JUN 16 2016

DQA: _____ Date: _____

**WORK ORDER NON-CONFORMANCE / UPDATE**

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date: _____		Step #: _____		QTY Effective: _____			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER: _____							
Misidentified ☐	Past Due ☐								

Picklist Print

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Work Order ID: 146315

146315

Parent Item: PB67-43001-03

PB67-43001-03

Parent Item Name: Aft Blade Fold Assembly

Start Date: 5/18/2016

Required Date: 6/30/2016

Start Qty: 2.00

Required Qty: 2.00

MS17984-C418

Purchased

No

100

Each

31.0000

3

6

MS17984-C418

QUICK RELEASE PIN

**

145507x5

DAS

6

9-89

Location

Loc Qty

Loc Code

CCK005

12

m134676

12

FG

1

123482

1

ST

5

145507

5

ST315

13

m134478

5

m134502

8

MS21042L4

Purchased

No

100

Each

2,169.000

9

18

MS21042L4

Locknut

**

DAS

6

9-89

Location

Loc Qty

Loc Code

GA

187

m133769

187

OVER007

1500

m134676

500

m134762

1000

ST303

385

m134606

385

ST305

97

m130922

97

JUN 06 2016

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DQA: _____ Date: _____

**WORK ORDER NON-CONFORMANCE / UPDATE**

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐																																																													
Date : _____		Step #: _____		QTY Effective : _____			MRB (QSI042) Approval																																																										
Description Work Order Deviation				Disposition				Completed By																																																									
								Lead hand / Supervisor Approval Verification																																																									
								QC / QA Coordinator Approval																																																									
Root Cause		FAULT CATEGORY																																																															
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐	Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐	Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐	Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐	Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐	Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐	Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐	Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐	LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐	Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐	Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____			
Misidentified ☐	Past Due ☐																																																																

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Work Order ID: 146315

146315

Parent Item: PB67-43001-03

PB67-43001-03

Parent Item Name: Aft Blade Fold Assembly

Start Date: 5/18/2016

Required Date: 6/30/2016

Start Qty: 2.00

Required Qty: 2.00

MS21042L5

Purchased

No

100

Each

601.0000

1

2

MS21042L 5

Nut

**

DAS
6
9-89

Location

Loc Qty

Loc Code

GA

101

m127813

101

OVER007

100

m134509

100

ST303

400

m134055

7

m134567

93

m134676

100

m134762

200

2

DAS
6
9-89

MS21042L6

Purchased

No

100

Each

263.0000

4

8

MS21042L 6

Nut

**

Location

Loc Qty

Loc Code

ST303

263

m133938

6

m134055

7

m134509

100

m134567

50

m134676

100

8

DAS
6
9-89

MS24694-S109

Purchased

No

100

Each

64.0000

2

4

MS24694-S109

Screw, Flat Head

**

Location

Loc Qty

Loc Code

Mezz

24

115708

24

ST282

40

M132576

40

4

JUN

TO LONG
M134514 → 4
100 DAS 2-89
16.06.13
DAS 24 9-89

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JUN 16 2016

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DQA: _____ Date: _____

**WORK ORDER NON-CONFORMANCE / UPDATE**

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date : _____		Step #: _____		QTY Effective : _____			MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval		
Description Work Order Deviation				Disposition					

Root Cause				FAULT CATEGORY			
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐		
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐		
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐		
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐		
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐		
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐		
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐		
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐		
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐		
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐		
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____					
Misidentified ☐	Past Due ☐						

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Work Order ID: 146315

Parent Item: PB67-43001-03

Parent Item Name: Aft Blade Fold Assembly

146315

PB67-43001-03

Start Date: 5/18/2016

Required Date: 6/30/2016

Start Qty: 2.00

Required Qty: 2.00

MS27039-1-07

Purchased

No

100

Each

315.0000

1

2

**

DAS
6
9-89

MS27039-1-07

Screw

Location

Loc Qty

Loc Code

GA

304

125654

304

Return2016

1

m127813

1

ST281

10

125654

10

MS27039-1-23

Purchased

No

100

Each

14.0000

1

2

**

DAS
6
9-89

MS27039-1-23

SCREW

DAS
22
9-89

16.06.13

m 124326 → 2 18

Location

Loc Qty

Loc Code

ST279

14

18057

14

100

Each

86.0000

8

16

**

DAS
6
9-89

MS51859-6

Purchased

No

MS51859-6

WASHER

Location

Loc Qty

Loc Code

st268

86

132703

6

m134502

80

100

Each

33.0000

2

4

**

MS51859-7

Purchased

No

MS51859-7

Washer

Location

Loc Qty

Loc Code

st268

33

M132576

33

DAS
6
9-89

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DQA: _____ Date: _____

**WORK ORDER NON-CONFORMANCE / UPDATE**

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____							
Misidentified ☐	Past Due ☐								

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Work Order ID: 146315
Parent Item: PB67-43001-03
Parent Item Name: Aft Blade Fold Assembly

146315
PR67-43001-03

Start Date: 5/18/2016

Required Date: 6/30/2016

Start Qty: 2.00

Required Qty: 2.00

MS51859-8

Purchased

No

100

Each

312.0000

8

16

**

MS51859-8

Washer

Location

Loc Qty

Loc Code

st268

312

m132576

12

m134606

300

100

Each

722.0000

4

8

**

NAS1149DN632J

Purchased

No

NAS1149DN632J

Washer

Location

Loc Qty

Loc Code

ST264

722

m133860

22

m134370

700

100

Each

167.0000

1

2

**

NAS1149F0316P

Purchased

No

NAS1149F0316P

WASHER

Location

Loc Qty

Loc Code

ST262

167

M132579

167

100

Each

1,310.000

16

32

**

NAS1149F0432P

Purchased

No

NAS1149F0432P

WASHER

Location

Loc Qty

Loc Code

ST260a

1000

M134502

1000

ST262

189

M133990

189

st268

121

M132677

121

DAS
6
9-89

JUN 06 2016

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DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐																																																													
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval																																																										
Description Work Order Deviation				Disposition				Completed By																																																									
								Lead hand / Supervisor Approval Verification																																																									
								QC / QA Coordinator Approval																																																									
Root Cause		FAULT CATEGORY																																																															
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐	Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐	Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐	Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐	Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐	Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐	Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐	Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐	LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐	Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐	Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____			
Misidentified ☐	Past Due ☐																																																																

Picklist Print

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Work Order ID: 146315

Parent Item: PB67-43001-03

Parent Item Name: Aft Blade Fold Assembly

146315

PB67-43001-03

Start Date: 5/18/2016

Required Date: 6/30/2016

Start Qty: 2.00

Required Qty: 2.00

NAS1149F0532P

Purchased

No

100

Each

2,450.000

2

4

NAS1149F0532P

Washer

**

Location

Loc Qty

Loc Code

ST260a

600

m133725

600

ST262

1850

18057

1840

m130388

10

100

Each

218.0000

8

16

**

DAS

6

9-89

NAS1149F0632P

Purchased

No

NAS1149F0632P

WASHER

Location

Loc Qty

Loc Code

ST262

218

18057

18

m134497

200

100

Each

137.0000

2

4

**

DAS

6

9-89

NAS1149F0832P

Purchased

No

NAS1149F0832P

WASHER

Location

Loc Qty

Loc Code

ST262

137

18057

137

100

Each

15.0000

1

2

**

DAS

6

9-89

NAS43DD3-61

Purchased

No

NAS43DD3-61

Spacer

Location

Loc Qty

Loc Code

ST550

15

m128635

15

100

Each

0.0000

1

2

**

DAS

24

9-89

PB67-43001-09

Manufactured

No

PB67-43001-09

Aft Blade Fold Assembly Weldment

JUN 16 2016

**

3146317

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Work Order update only

Work Order: _____		DISPOSITION		AGAINST DEPARTMENT/PROCESS					
Part No. _____		Rework ☐		Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐		
NCR No. _____		Scrap ☐		Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐		
		Use-as-is ☐		Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐		
		Suspected Unapproved ☐		Large Fab ☐	Composite ☐	Supplier ☐			
Date : _____		Step # : _____		QTY Effective : _____			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐	☐ No Re-verification	☐ Pressure/Forced	☐ Temperature/Cure	☐ Power Loss/Surge	☐ Positioned Wrong				
Design ☐	☐ Operator	☐ Bending	☐ Set-up	☐ Folio/Program	☐ Outside Dimensions				
Doc/Data ☐	☐ Offset/Setup	☐ Centre Not Concentric	☐ BOM/Route	☐ Grain	☐ Over/Under tolerance				
Equip/Tooling ☐	☐ Supplier	☐ Cracks	☐ Broken/Damage/Defect	☐ Weld	☐ Part Incorrect				
Handling/Pre ☐	☐ Training	☐ Crimp/Kink/Ripple/Wave	☐ Inspection Incomplete/Unqualified	☐ Wrong Stock Pulled	☐ Part Lost/Missing				
Material ☐	☐ Use for Testing	☐ Cuffs	☐ Contamination	☐ Out of Sequence	☐ Part Moved				
Internal Transport ☐	☐ Poor Information	☐ Crushing	☐ Countersink	☐ Off-set	☐ Drawing				
Tribal Knowledge ☐	☐ Rushing	☐ Heat Treat	☐ Cut Too Short	☐ Mislabeled	☐ Finish				
LOA ☐	☐ Product Improvement	☐ Wave/Twist in Tube	☐ Instructions Incomplete/Unclear	☐ Fit/Function	☐ Misread				
Substation ☐	☐ Process Improvement	☐ Marks/Chatter	☐ Drill Holes	☐ Misaligned/off center	☐ Turning Sequence				
Past Expiry Date ☐	☐ Manufacturing Process								
Misidentified ☐	☐ Past Due	OTHER :							

Picklist Print

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Page 12

Work Order ID: 146315

Parent Item: PB67-43001-03

Parent Item Name: Aft Blade Fold Assembly

146315

PR67-43001-03

Start Date: 5/18/2016

Required Date: 6/30/2016

Start Qty: 2.00

Required Qty: 2.00

PB67-43001-13

Manufactured No

100 Each 0.0000

PR67-43001-13

Aft Adjustable Blade Support Assembly

PB67-43001-135

Manufactured No

100 Each 8.0000

PR67-43001-135

Male Eye

1 2

** 3142616

JUN 16 2016

DAS
24
9-89

1 2

**

JUN 16 2016

DAS
24
9-89

Location

Loc Qty

Loc Code

Mezz2

8

133703

2

139212

6

PB67-43001-137

Manufactured No

100 Each 8.0000

PR67-43001-137

Locking Sleeve

1 2

**

JUN 16 2016

DAS
24
9-89

Location

Loc Qty

Loc Code

Mezz2

8

100004

1

133704

3

139213

4

PB67-43001-155

Manufactured No

100 Each 17.0000

PR67-43001-155

Pin

1 2

**

JUN 16 2016

DAS
24
9-89

Location

Loc Qty

Loc Code

Mezz2

17

133705

3

142807

14

PB67-43001-17

Manufactured No

100 Each 0.0000

PR67-43001-17

Aft Adjustable Blade Support Assembly

PB67-43001-21

Manufactured No

100 Each 0.0000

PR67-43001-21

Upper Blade Support And Cover Assembly

1 2

** 3142618

JUN 16 2016

DAS
24
9-89

1 2

** 3142800

JUN 16 2016

DAS
24
9-89

Tuesday, May 17, 2016 1:57:25 PM

Shop Packet Print

Page 12

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date : _____		Step #: _____		QTY Effective : _____			MRB (QSI042) Approval 		
Description Work Order Deviation				Disposition					
							Completed By		
							Lead hand / Supervisor Approval Verification		
							QC / QA Coordinator Approval		
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____							
Misidentified ☐	Past Due ☐								

Picklist Print

Tuesday, May 17, 2016 1:57:25 PM

Page 13

Work Order ID: 146315

Parent Item: PB67-43001-03

Parent Item Name: Aft Blade Fold Assembly

146315

PR67-43001-03

Start Date: 5/18/2016

Required Date: 6/30/2016

Start Qty: 2.00

Required Qty: 2.00

PB67-43001-23

Manufactured No

100 Each 0.0000

1 2

** 3142801

JUN 16 2016

DAS
24
9-89

PR67-43001-23

Lower Blade Support And Cover Assembly

PB67-43001-261

Manufactured No

100 Each 15.0000

2 4

**

JUN 16 2016

DAS
24
9-89

PR67-43001-261

Lever Arm

Location

Loc Qty

Loc Code

Mezz2

15

139215

15

100 Each 47.0000

5 10

** 4

JUN 16 2016

DAS
24
9-89

PB67-43001-265

Manufactured No

PR67-43001-265

Deltin Bushing

Location

Loc Qty

Loc Code

Mezz2

47

133685

7

139214

40

100 Each 25.0000

2 4

** 7 3

JUN 16 2016

DAS
24
9-89

PB67-43001-299

Manufactured No

PR67-43001-299

Bushing

Location

Loc Qty

Loc Code

Mezz2

25

113390

1

139216

24

100 Each 4.0000

1 2

** 3

JUN 16 2016

DAS
24
9-89

PB67-43001-305

Manufactured No

PR67-43001-305

Bearing

Location

Loc Qty

Loc Code

Mezz2

4

133706

4

2

Tuesday, May 17, 2016 1:57:25 PM

Shop Packet Print

Page 13

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE



QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐ Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐		FAULT CATEGORY Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
OTHER : _____					

Picklist Print

Tuesday, May 17, 2016 1:57:25 PM

Page 14

Work Order ID: 146315

Parent Item: PB67-43001-03

Parent Item Name: Aft Blade Fold Assembly

146315

PR67-43001-03

Start Date: 5/18/2016

Required Date: 6/30/2016

Start Qty: 2.00

Required Qty: 2.00

PB67-43001-37

Manufactured No

100

Each

6.0000

1 2

PR67-43001-37

**

Tube Arm Assembly

JUN 16 2016

DAS
24
9-88

Location

Loc Qty

Loc Code

Mezz2

6

140779

1

142797

5

PB67-43001-57

Manufactured No

100

Each

0.0000

1 2

PR67-43001-57

**

Stabilizer Arm

B142976 → 2

JUN 16 2016

DAS
24
9-88

PB67-43001-59

Manufactured No

100

Each

0.0000

1 2

PR67-43001-59

**

Adjustable Attachment Arm

B142794 → 2

JUN 16 2016

DAS
24
9-88

PB67-43001-63

Manufactured No

100

Each

1.0000

1 2

PR67-43001-63

**

Handle Assy

JUN 16 2016

DAS
24
9-88

Location

Loc Qty

Loc Code

Mezz2

1

142245

1

B 143784 → 1

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

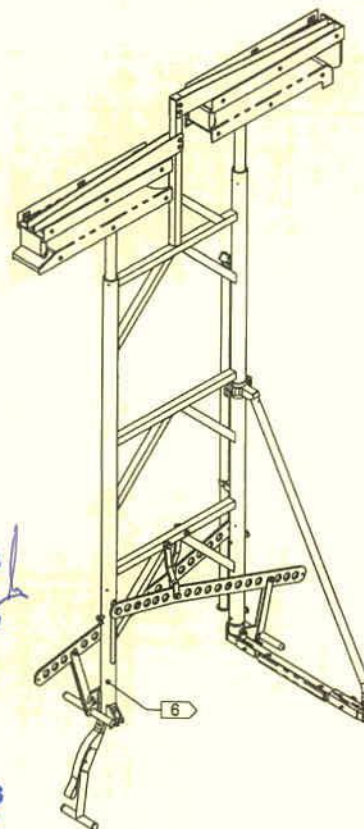
QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date: _____		Step #: _____		QTY Effective : _____			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____							
Misidentified ☐	Past Due ☐								

ITEM	QTY -03	P/N	DESCRIPTION
	X	B67-43001-03	AFT BLADE FOLD ASSY
1	1	B67-43001-09	AFT BLADE FOLD ASSY WELDMENT
2	1	B67-43001-13	AFT ADJUSTABLE BLADE SUPPORT ASSY
3	1	B67-43001-17	AFT ADJUSTABLE BLADE SUPPORT ASSY
4	1	B67-43001-21	UPPER BLADE SUPPORT AND COVER ASSY
5	1	B67-43001-23	LOWER BLADE SUPPORT AND COVER ASSY
6	1	B67-43001-37	TUBE ARM ASSEMBLY
7	1	B67-43001-57	STABILIZER ARM
8	1	B67-43001-59	ADJUSTABLE ATTACHMENT ARM
9	1	B67-43001-63	SHORT T-HANDLE ASSEMBLY
10	1	B67-43001-135	MALE EYE
11	1	B67-43001-137	LOCKING SLEEVE
12	1	B67-43001-155	PIN
13	2	B67-43001-261	LEVER ARM
14	5	B67-43001-265	DELRI BUSHING
15	2	B67-43001-299	BUSHING
16	1	B67-43001-305	BEARING
17	1	D3440-1	TUBE GUIDE
18	1	D3440-3	CLAMP
19	1	D3444-1	VELCRO LOOP BELT
20	2	D3447-9	SWING ARM
21	1	D3449-1	PAD
22	1	D3451-043	HANDLE & LOCK-DOWN ASSY
23	1	D3451-045	HANDLE & LOCK-DOWN ASSY
24	1	D3922-1	CLIP
25	1	30345T21	LANYARD
26	3	30345T24	LANYARD
27	1	3408A98	DETENT BALL PLUNGER
29	2	AN4-10A	BOLT
30	1	AN4-13A	BOLT
31	4	AN4-15A	BOLT
32	1	AN5-28A	BOLT
33	2	AN6-11A	BOLT
34	2	AN6-16A	BOLT
35	2	AN8-13A	BOLT
36	3	BSP43	RIVET
37	1	CR3213-4-05	RIVET
38	1	MS171534	SPRING SLOTTED TENSION PIN (OR 240-107)
39	1	MS17984-C408/410	QUICK RELEASE PIN
40	3	MS17984-C418	QUICK RELEASE PIN
41	9	MS21042L4	NUT
42	1	MS21042L5	NUT
43	4	MS21042L6	NUT
44	2	MS24694-S108	SCREW 100
45	1	MS27039-1-07	SCREW
46	1	MS27039-1-25/8	SCREW
47	8	MS51859-6	NYLON WASHER
48	2	MS51859-7	NYLON WASHER
49	8	MS51859-8	NYLON WASHER

ITEM	QTY -03	P/N	DESCRIPTION
	X	B67-43001-03	AFT BLADE FOLD ASSY
50	1	NAS43DD3-61	SPACER
51	4	NAS1149DN632J	WASHER
52	1	NAS1149F0316P	WASHER
53	16	NAS1149F0432P	WASHER
54	2	NAS1149F0532P	WASHER
55	8	NAS1149F0632P	WASHER
56	2	NAS1149F0832P	WASHER



B67-43001-03 AFT BLADE FOLD ASSY

NOTES:

- 1) MATERIAL: NONE
- 2) FINISH: TOUCH UP PAINT WITH SANDFLEX GREEN.
POSSIBLE SUPPLIER BERTRAND BODY SHOP SUPPLIES
P/N DART01K
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY WITH RED LABEL
- 7) WEIGHT: 50.57 lbs
- 8) WITH THE INNER TUBE CRADLE ASSEMBLY LOCKED IN ITS LOWEST MOST RECESSED POSITION, TRANSFER DRILL $\phi 0.250$ DIA HOLE FROM THE OUTER TUBE TO THE INNER TUBE AND THRU THE OUTER TUBE. DEBURR, REMOVE DEBRIS, AND TOUCH UP PAINT PER ITEM 2 AS REQUIRED. 2 PL
- 9) INSTALL TEFLON BUSHING -265 INSIDE THE OUTER TUBE. MATCH DRILL BUSHING TO EXISTING HOLES IN OUTER TUBE USING 1/8" DIAMETER DRILL. INSERT MS171534 (OR 240170) SPRING SLOTTED PIN AND GRIND FLUSH WITH CONTOUR OF OUTER TUBE. 10 PL (2 PL PER BUSHING)
- 10) DRILL $\phi 0.250$ DIA HOLE THRU -09/-265/-305 WITH -37 AT VERTICAL FULL OPEN POSITION. DRILL ADDITIONAL HOLE WITH -37 AT FULL CLOSED POSITION, ASSURING -37 CLEARS ADJACENT STRUCTURE.
- 12) DRILL A $\phi 0.128$ DIA HOLE THRU -343 (COMPONENT OF -37) AND -25 (COMPONENT OF -09 ASSY). INSERT MS171534 (OR 240170) SPRING SLOTTED PIN, AND GRIND FLUSH WITH -37.
- 13) INSERT -135 INTO -243 TUBE (COMPONENT OF -09 ASSY) ALIGN HOLES, ASSURING ORIENTATION SHOWN. INSERT 3408A98 DETENT BALL. ASSURING BALL PROTRUDES SLIGHTLY ABOVE OUTER SURFACE OF -243 TUBE. LOCATE AND INSTALL AN MS171534 (OR 240170) SPRING SLOTTED PIN BY DRILLING A $\phi 0.128$ DIA HOLE THRU -243 AND -135. ENSURE -137 SLEEVE SLIDES FREELY OVER HINGE AND LOCKS INTO DETENT.
- 14) BOND D3449-1 TO B67-43001-09 USING CONTACT CEMENT AS PER MANUFACTURER'S SPECIFICATION.

me
#146315

RELEASED
2010-09-21

C	REDRAWN PREMIER AVIATION DRAWING IAW DART QSI 018 AND QSI 043. FOR PREVIOUS REVISIONS, REFER TO SHEET 3 OF PREMIER AVIATION DRAWING No. B67-43001. REASON: SEE PAR#09-011	VS	10.06.14
REV.	DESCRIPTION	BY	DATE
DESIGN	RW		
DRAWN	VS		
CHECKED			
MFG. APPR.			
APPROVED			
DE APPR.	UA		
DATE	10.06.14		
DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA			
DRAWING NO. B67-43001-03			
REV. C			
TITLE AFT BLADE FOLD ASSY			
SCALE NTS			
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DQA: _____ Date: _____

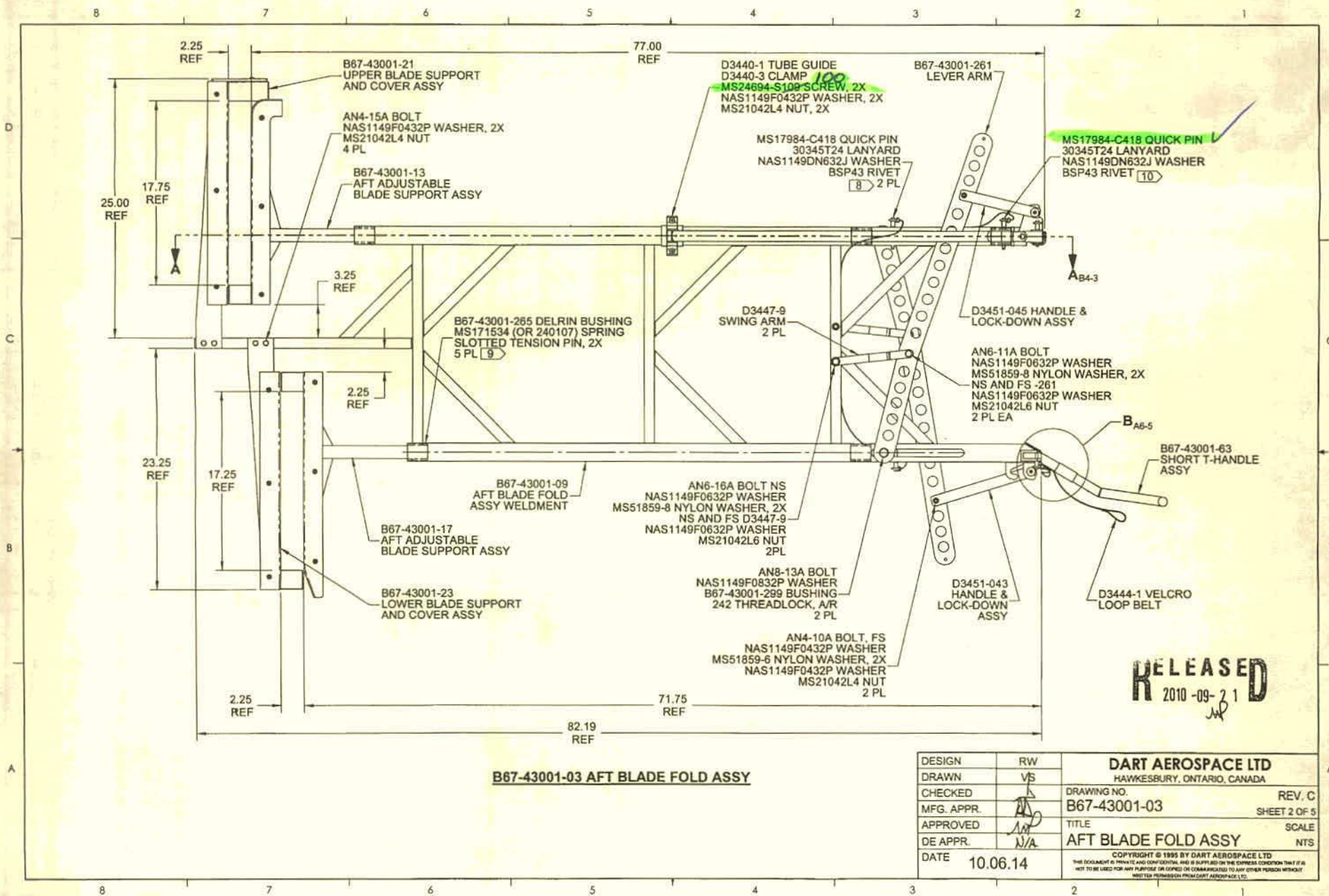
WORK ORDER NON-CONFORMANCE / UPDATE



QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date : _____	Step #: _____	QTY Effective : _____		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY			
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐
OTHER : _____					



RELEASED
2010-09-21

DESIGN	RW	DART AEROSPACE LTD	
DRAWN	VS	HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. C
MFG. APPR.		B67-43001-03	SHEET 2 OF 5
APPROVED		TITLE	SCALE
DE APPR.		AFT BLADE FOLD ASSY	NTS
DATE	10.06.14	COPYRIGHT © 1995 BY DART AEROSPACE LTD	
THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.			

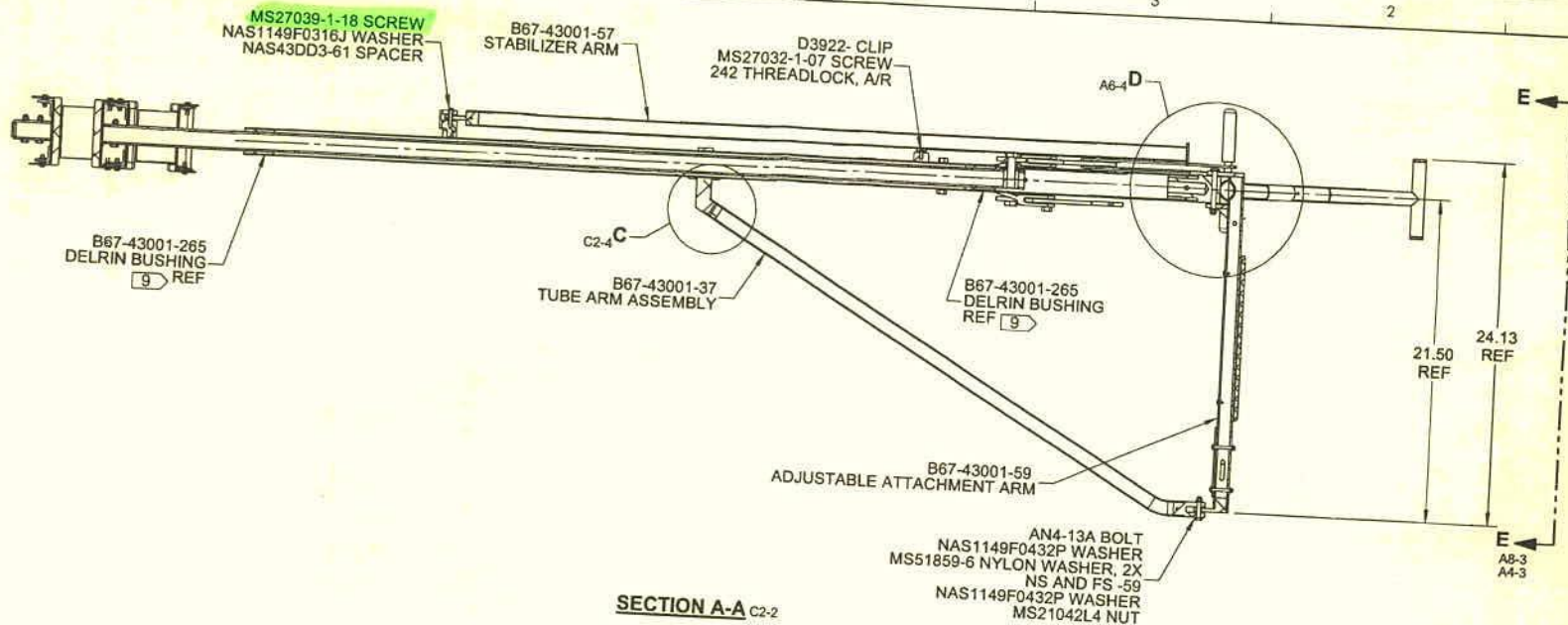
DQA: _____ Date: _____

**WORK ORDER NON-CONFORMANCE / UPDATE**

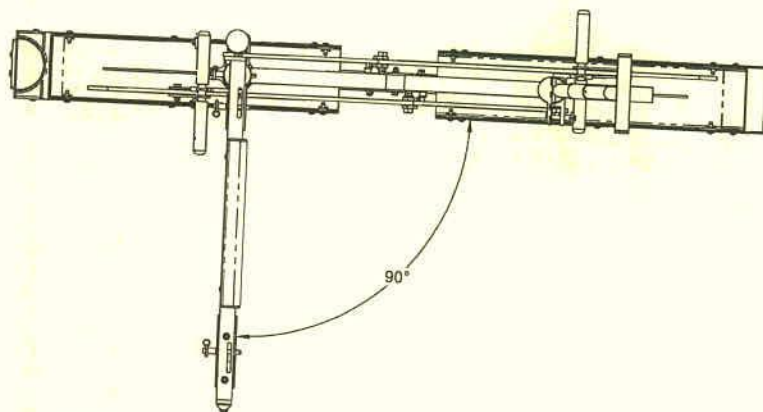
QA Closed: _____ Date: _____

Work Order update only ☐

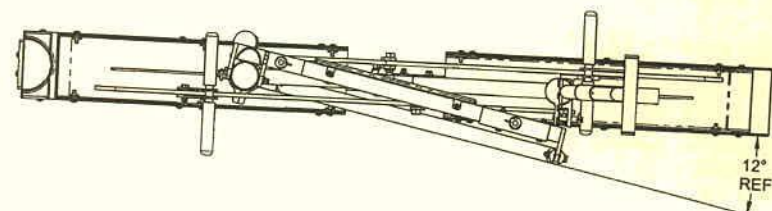
Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date : _____		Step #: _____		QTY Effective : _____			MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval		
Description Work Order Deviation				Disposition					
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐		Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐					
OTHER : _____									



SECTION A-A C2-2



C1-3 VIEW E-E: VERTICAL FULL OPEN OR "IN USE" POSITION 10



C1-3 VIEW E-E: FULL CLOSED OR "STORAGE" POSITION 10

RELEASED
2010-09-21

DESIGN	RW	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	VS		
CHECKED		DRAWING NO.	REV. C
MFG. APPR.		B67-43001-03	SHEET 3 OF 5
APPROVED		TITLE	SCALE
DE APPR.	N/A	AFT BLADE FOLD ASSY	NTS
DATE	10.06.14	COPYRIGHT © 1995 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL, AND IS SUPPLIED ON THE EXPRESS UNDERSTANDING THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR REPRODUCED IN ANY FORM OR BY ANY MEANS WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	

DQA: _____ Date: _____

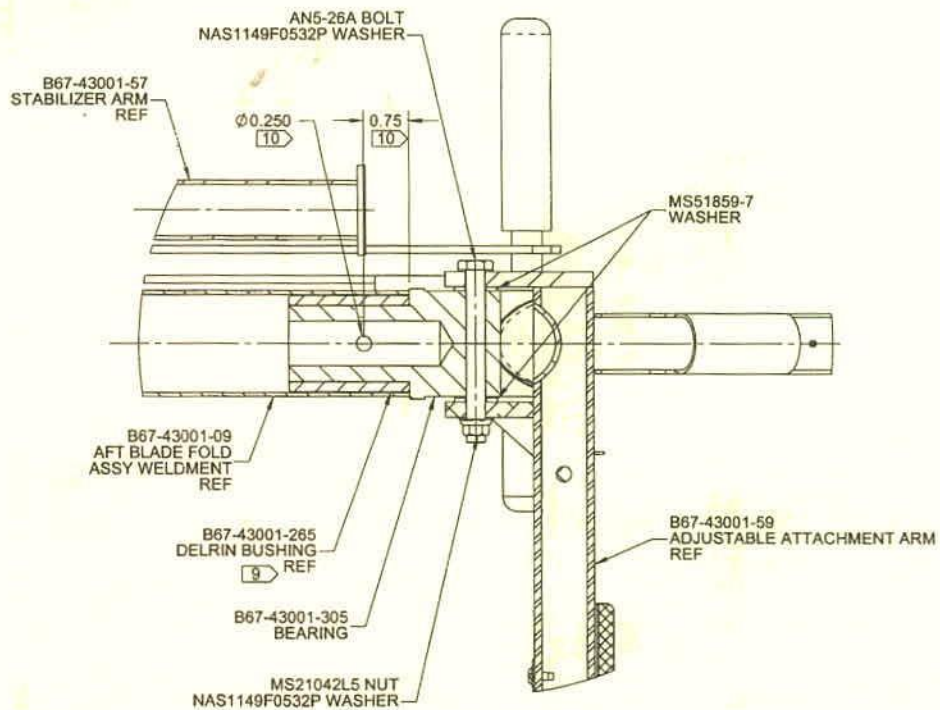


WORK ORDER NON-CONFORMANCE / UPDATE

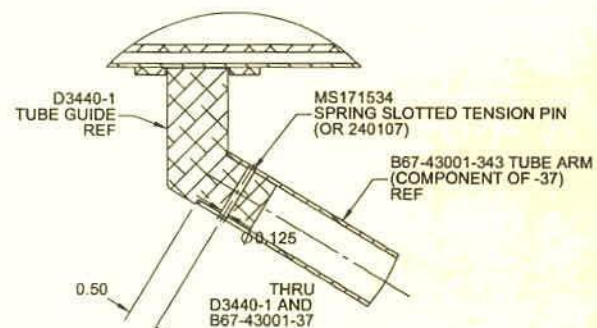
QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date: _____		Step #: _____		QTY Effective: _____			MRB (QSI042) Approval 		
Description Work Order Deviation				Disposition					
							Completed By		
							Lead hand / Supervisor Approval Verification		
							QC / QA Coordinator Approval		
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____							
Misidentified ☐	Past Due ☐								



DETAIL D
SCALE 5X D3-3



DETAIL C D5-3
SCALE 5X

RELEASED
2010-09-21
JW

DESIGN	RW	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	VS		
CHECKED		DRAWING NO.	REV. C
MFG. APPR.		B67-43001-03	SHEET 4 OF 5
APPROVED		TITLE	SCALE
DE APPR.	N/A	AFT BLADE FOLD ASSY	NTS
DATE	10.06.14	COPYRIGHT © 2010 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR DISCLOSED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	

DQA: _____ Date: _____

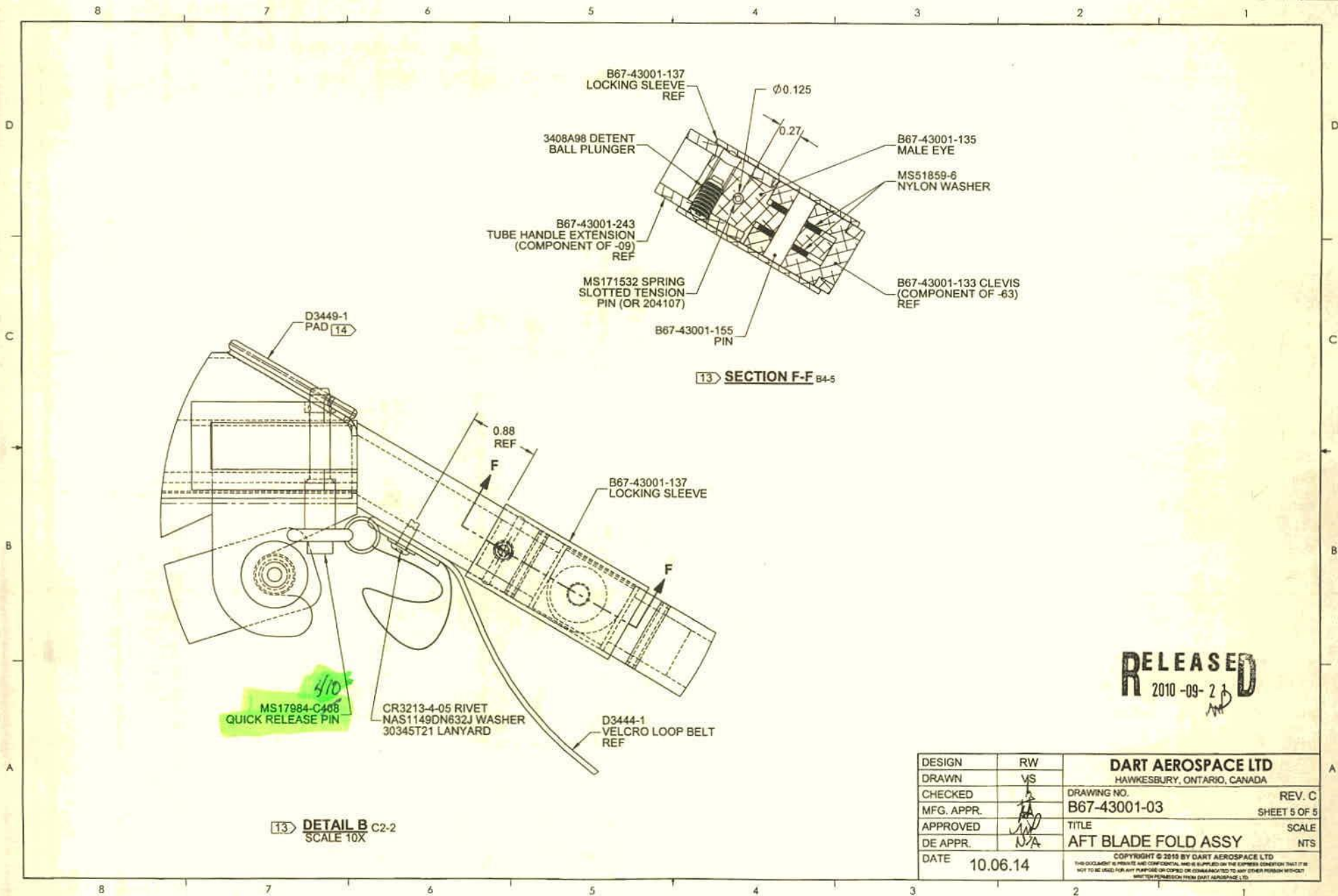


WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____		DISPOSITION		AGAINST DEPARTMENT/PROCESS							
Part No. _____		Rework ☐		Skid-tube ☐		Cross tube ☐		Water Jet ☐		Engineering ☐	
NCR No. _____		Scrap ☐		Machining ☐		Small Fab ☐		Prod. Eng. Coord. ☐		Quality ☐	
		Use-as-is ☐		Thermoforming ☐		Finishing ☐		Rec/Store/Packaging ☐		Other ☐	
		Suspected Unapproved ☐		Large Fab ☐		Composite ☐		Supplier ☐			
Date : _____		Step #: _____		QTY Effective : _____				MRB (QSI042) Approval			
Description Work Order Deviation				Disposition				Completed By			
								Lead hand / Supervisor Approval Verification			
								QC / QA Coordinator Approval			
Root Cause				FAULT CATEGORY							
Environment ☐ No Re-verification ☐ Design ☐ Operator ☐ Doc/Data ☐ Offset/Setup ☐ Equip/Tooling ☐ Supplier ☐ Handling/Pre ☐ Training ☐ Material ☐ Use for Testing ☐ Internal Transport ☐ Poor Information ☐ Tribal Knowledge ☐ Rushing ☐ LOA ☐ Product Improvement ☐ Substation ☐ Process Improvement ☐ Past Expiry Date ☐ Manufacturing Process ☐ Misidentified ☐ Past Due ☐				Pressure/Forced ☐ Temperature/Cure ☐ Bending ☐ Set-up ☐ Centre Not Concentric ☐ BOM/Route ☐ Cracks ☐ Broken/Damage/Defect ☐ Crimp/Kink/Ripple/Wave ☐ Inspection Incomplete/Unqualified ☐ Cuffs ☐ Contamination ☐ Crushing ☐ Countersink ☐ Heat Treat ☐ Cut Too Short ☐ Wave/Twist in Tube ☐ Instructions Incomplete/Unclear ☐ Marks/Chatter ☐ Drill Holes ☐ Power Loss/Surge ☐ Positioned Wrong ☐ Folio/Program ☐ Outside Dimensions ☐ Grain ☐ Over/Under tolerance ☐ Weld ☐ Part Incorrect ☐ Wrong Stock Pulled ☐ Part Lost/Missing ☐ Out of Sequence ☐ Part Moved ☐ Off-set ☐ Drawing ☐ Mislabeled ☐ Finish ☐ Fit/Function ☐ Misread ☐ Misaligned/off center ☐ Turning Sequence ☐							
OTHER : _____											



DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE



QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date : _____		Step #: _____		QTY Effective : _____			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
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Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____							
Misidentified ☐	Past Due ☐								